

# Technical Data SAI



Fig. 1 SAI photo

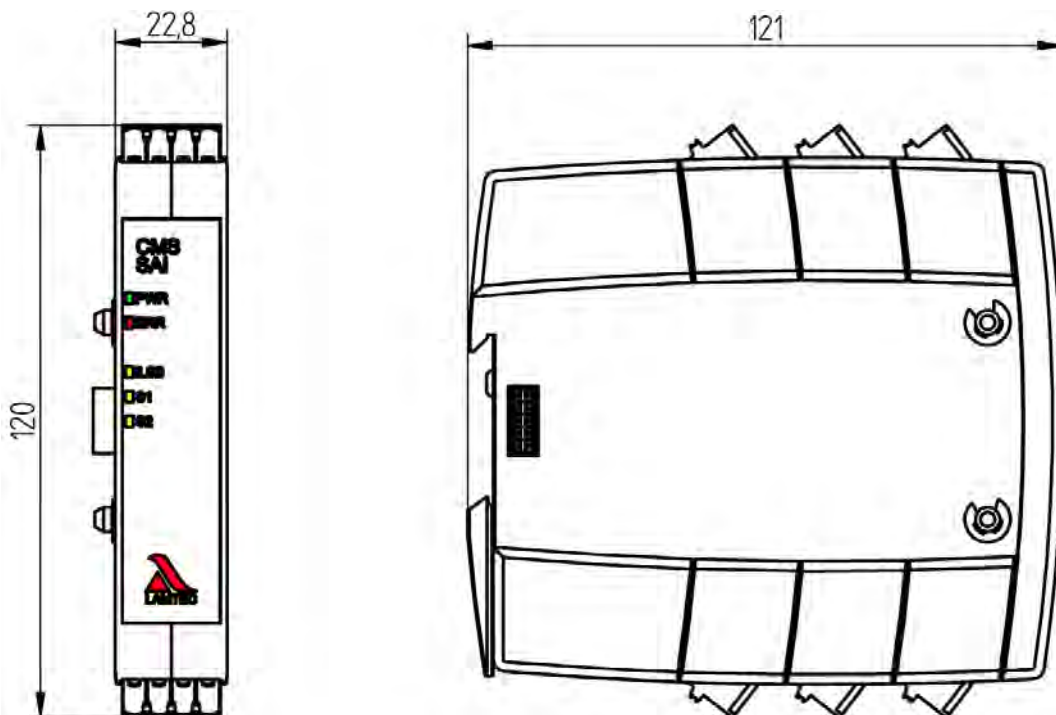


Fig. 2 SAI dimensional drawing

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## Part number

SAI Safe Analogue Input Component

Type 668R0600-XX\*

\* XX = dependent on the configuration

## Technical Data SAI

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Dimensions (h × w × d)	120 x 22.8 x 121 mm / 4.72 x 0.90 x 4.76" in	
Weight	0.131 kg / 0.29 lb	
Power supply voltage	24 VDC ±20 % (by connecting plug from MCC)	
Current draw	min: 65 mA max: 350 mA	
Power consumption	8.4 W	
Current carrying capacity of reference voltage outputs	(X11-X16 Pin 1): max. 80 mA per input	
Flammability	UL94 V-0	
Voltage inputs	0 ... 10 V Ri = 2 MΩ Tolerance ±1 %	
Current inputs	0/4 ... 20 mA Ri = 350 MΩ Tolerance ±1 %	
Temperature inputs	Pt100	Tolerance (3-wire interface) -200 °C ± 0.2 °C / -328 °F ± 0.2 °F 0 °C ± 1.1 °C / 32 °F ± 2.0 °F 200 °C ± 2.0 °C / 392 °F ± 3.6 °F 400 °C ± 3.5 °C / 752 °F ± 6.3 °F 600 °C ± 4.0 °C / 1112 °F ± 7.2 °F 800 °C ± 5.1 °C / 1472 °F ± 9.2 °F
Temperature inputs	Pt1000	Tolerance (3-wire interface) -200 °C ± 0.3 °C / -328 °F ± 0.5 °F 0 °C ± 1.6 °C / 32 °F ± 2.9 °F 200 °C ± 3.0 °C / 392 °F ± 5.4 °F 400 °C ± 4.6 °C / 752 °F ± 8.3 °F 600 °C ± 6.4 °C / 1112 °F ± 11.5 °F 800 °C ± 7.9 °C / 1472 °F ± 14.2 °F
Impulse inputs	input frequency max. 120 Hz	

### Environmental Conditions

<b>Operation</b>	permitted temperature range	-30 ... +70 °C (non-condensing)/ -22 ... +158 °F
	permitted humidity	5 % ... 95 % relative humidity
<b>Transport/ Storage</b>	permitted temperature range	-40 ... +80°C (non-condensing)/-40 ... +176 °F
	permitted humidity	5 % ... 95 % relative humidity
<b>Degree of protection</b>	DIN EN 60529	IP20 (if all terminal are mounted)

### NOTICE

The limits of the technical data must be strictly adhered to.

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## Order Information

Description/Type	Order no. - selection
SAI Safe Analogue Input Component, power supply 24 VDC/8,4 W Module with 6 non-safe analogue inputs or 3 safe, analogue inputs and 2 pulse inputs for fuel meters. As analogue input signals, 4 ... 20 mA, Pt100 and Pt1000 can be processed.	668R0600...
<b>A 10 – CUSTOMER</b>	<b>Selection</b>
STANDARD	S
<b>A 20 – COLOR</b>	<b>Selection</b>
BLACK (STANDARD)	SW
<b>A 30 – CONNECTOR SET</b>	<b>Selection</b>
SCREW TERMINALS Connector set included	SC
SPRING TERMINALS Connector set included	FED
WITHOUT Connector set not included, must be ordered separatly, see „Separate Connector Sets for SAI”	0

### Separate connector sets for SAI

when attribute 30 „CONNECTOR SET“ = selection „0“

Description/Type	Order no.
Screw Terminals SAI	668R0067
Spring Terminals SAI	668R0077



The information in this publication is subject to technical changes.

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